Introduction to Structural Econometric Modeling

Reading list for my guest lecture within"Economics research & communication"

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Recommended journal articles (slide 1 of 3)

- *Journal of Economic Perspectives* 2010, Vol 24, section "Symposium: Con out of Economics"
  - Angrist, J. & J. Pischke (2010), "The credibility revolution in empirical economics: How better research design is taking the con out of econometrics"
  - Leamer, E. (2010), "Tantalus on the road to asymptopia"
  - Keane, M.(2010), "A structural perspective on the experimentalist school"
  - Sims, C. (2010), "But economics is not an experimental science"
  - Nevo, A. & M. Whinston (2010), "Taking the dogma out of econometrics: Structural modeling and credible inference"
  - Stock, J. (2010), "The Other Transformation in Econometric Practice: Robust Tools for Inference"
- *Journal of Economic Literature* 2010, Vol 48, section "Forum on the Estimation of Treatment Effects"
  - Heckman, J. (2010), "Building bridges between structural and program evaluation approaches to evaluating policy"
  - Imbens, G. W. (2010), "Better LATE Than Nothing: Some Comments on Deaton (2009) and Heckman and Urzua (2009)"
  - Deaton, A. (2010), "Instruments, randomization, and learning about development"

Recommended journal articles (slide 2 of 3)

- *Journal of Econometrics* 2010, Vol 156, special issue on "Structural Models of Optimization Behavior in Labor, Aging, and Health" (selected):
  - Keane, M. (2010), "Structural vs. Atheoretic Approaches to Econometrics"
  - Rust, J. (2010), "Comments on Keane (2010)"
  - Blundell, R. (2010), ""Comments on Keane (2010)"
  - Heckman, J and S. Urzua (2010), "Comparing IV with structural models: What simple IV can and cannot identify"
- 'Oldies but goldies', i.e. the classics in context>
  - Haavelmo, T (1943), "The statistical implications of a system of simultaneous equations" ECTA 11, 1–12
  - Haavelmo (1944),"The probability approach in econometrics" ECTA 12, 1–115
  - Hood, W. & Koopmans, T (1953). "Studies in Econometric Method", Cowles Commission Monograph 14. John Wiley, NY, including:
  - Marschak, J. (1953) "Economic measurements for policy and prediction"
  - Hurwicz, L. (1962), "On the Structural Form of Interdependent Systems." in Logic, Methodology, and Philosophy of Science: Proceedings of the 1960 International Congress, Stanford University Press
  - *Leamer, E. (1983), "Let's Take the Con out of Econometrics", American Economic Review, 73, 31-43* (NB. the entire JEP 2010 Symposion was a sequel on this)

Recommended journal articles (slide 3 of 3)

- More recent review/ critical discussion articles:
  - Reiss, P.C. & F. A. Wolak (2007), "Structural Econometric Modeling: Rationales and Examples from Industrial Organization", Handbook of Econometrics, Vol 6A, 4277-4415
  - Chen, B., and Pearl, J. (2013), "Regression and Causation: A Critical Examination of Six Econometrics Textbooks", Technical Report R-395, Real World Economics Review 65
  - Heckman, J. & R. Pinto (2015), "Causal analysis after Haavelmo", Econometric Theory, 31, 115-151
  - Pearl, J. (2015), "Trygve Haavelmo and the emergence of causal calculus", Econometric Theory, 31, 152-179
  - Deaton, A. & N. Cartwright (2016), "Understanding and Misunderstanding Randomized Controlled Trials", NBER WP 22595
  - Angrist, J. & J. Pischke (2017), "Undergraduate Econometrics Instruction: Through Our Classes, Darkly" , NBER WP 23144
  - Blundell, R. (2017), "What have we learned from structural models", American Economic Review Review: P&P, 107(5), 287-292
  - Heckman, J. & B. Singer (2017), "Abducting Economics", American Economic Review: P&P, 107, 107(5), 298-302